



DoD Global Influenza and Other Respiratory Viral Pathogens Week 46 (14 Nov – 20 Nov) Weekly Surveillance Report



SUMMARY:

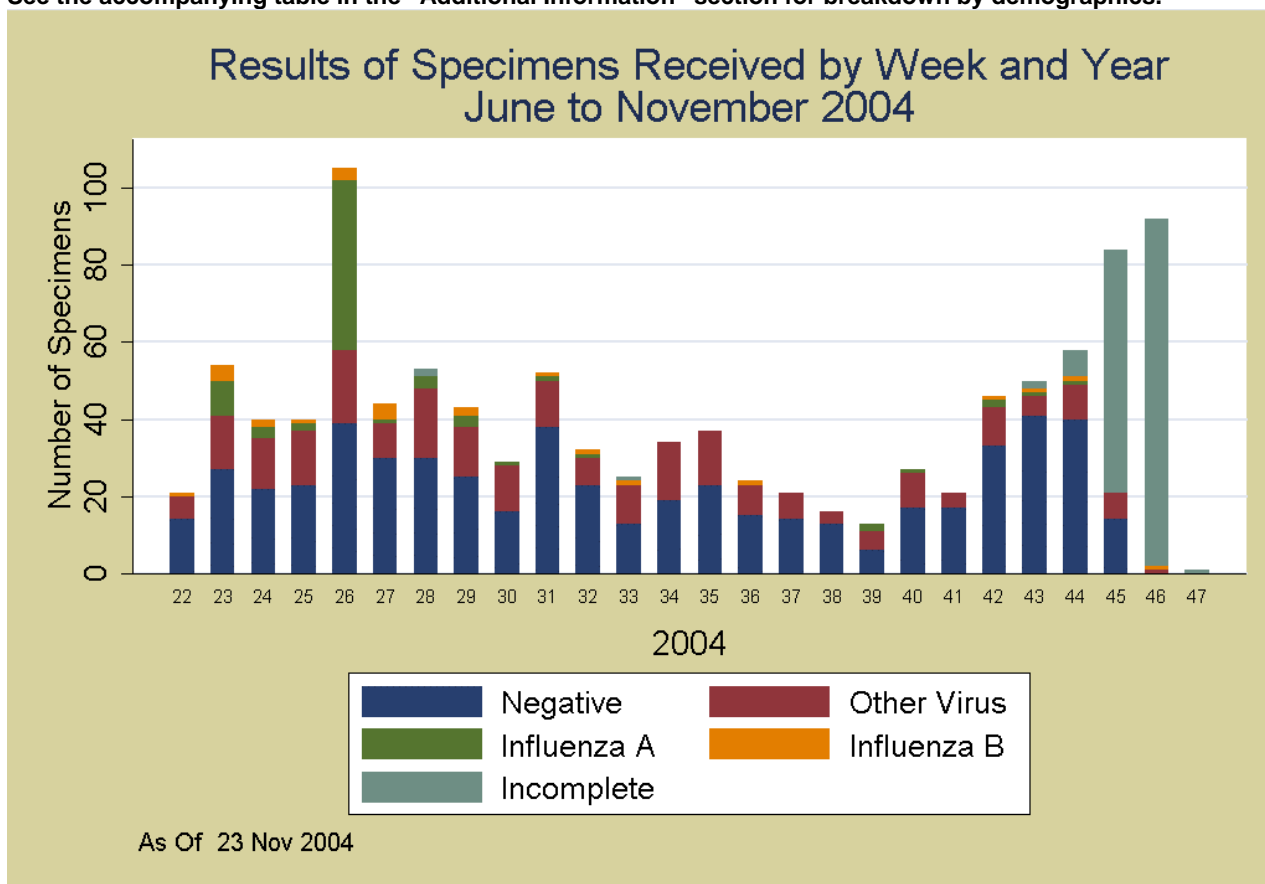
Number of new isolates for Week 46: 0 Influenza A; 1 Influenza B

The influenza B isolate is from the USAF Academy. In addition, we are currently subtyping 3 Influenza B and 1 Influenza A isolates from Tripler, collected during Weeks 42 to 44.

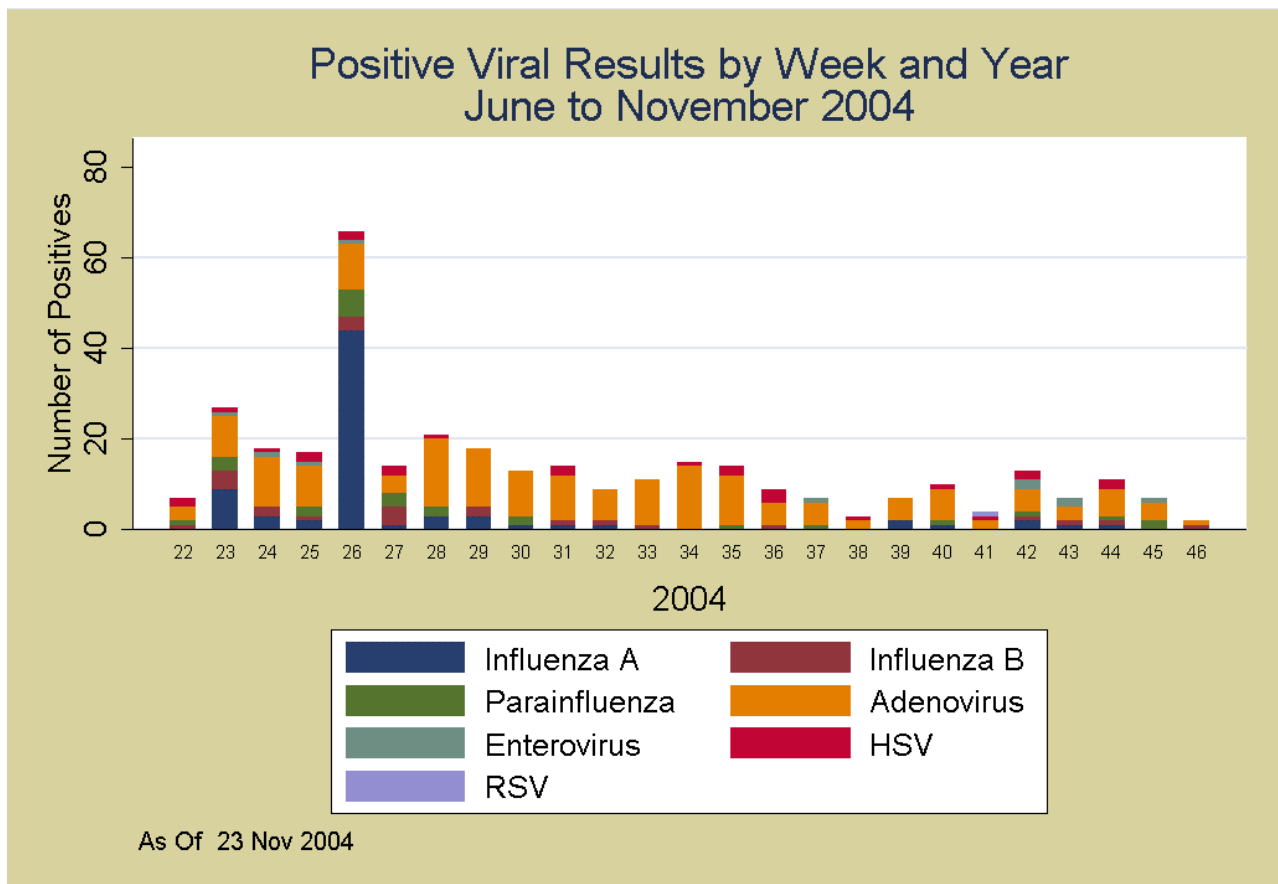
Since **1 June 2004**, the Epidemiological Surveillance Division (AFIOH/SDE) has processed 895 specimens as part of the influenza surveillance program. Of those specimens, 75 (8%) were positive for influenza A and 25 (3%) were positive for influenza B.

In addition, 166 specimens are still being processed.

See the accompanying table in the “Additional Information” section for breakdown by demographics.



OVERALL DOD RESPIRATORY VIRAL SURVEILLANCE:



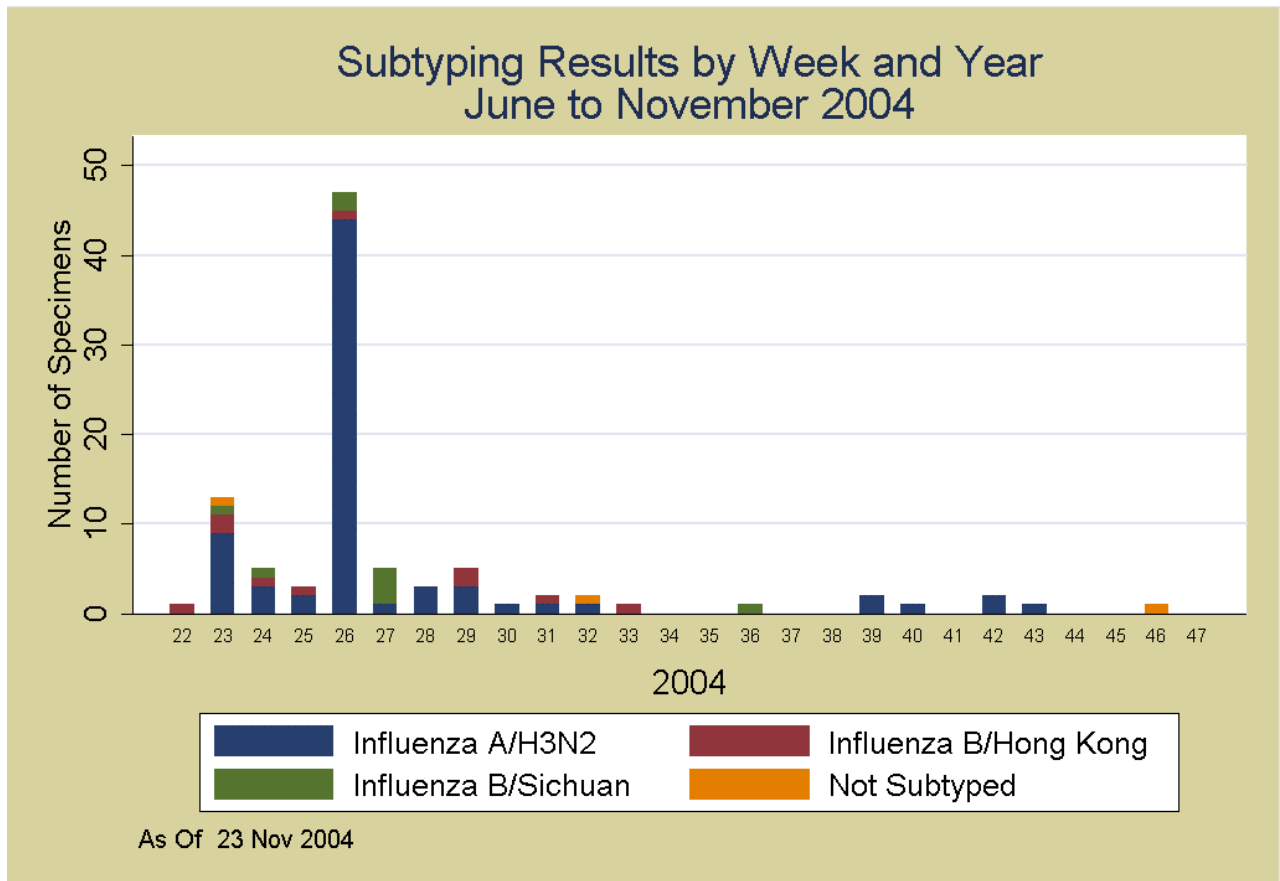
Note: Graphs do not include data from the NHRC, which conducts Febrile Respiratory Illness (FRI) surveillance among recruit populations. NHRC compiles this data into a separate report. For more information, visit the NHRC website at <http://www.nhrc.navy.mil/geis/>

SUBTYPING:

Since **1 June 2004**, we have subtyped 91 isolates using either polymerase chain reaction (PCR) or hemagglutination-inhibition (HI). The following table and graph summarize overall subtyping results. Subtyping results for individual bases can be found on the AFIOH Influenza Surveillance website:

<https://gumbo.brooks.af.mil/pestilence/Influenza/>

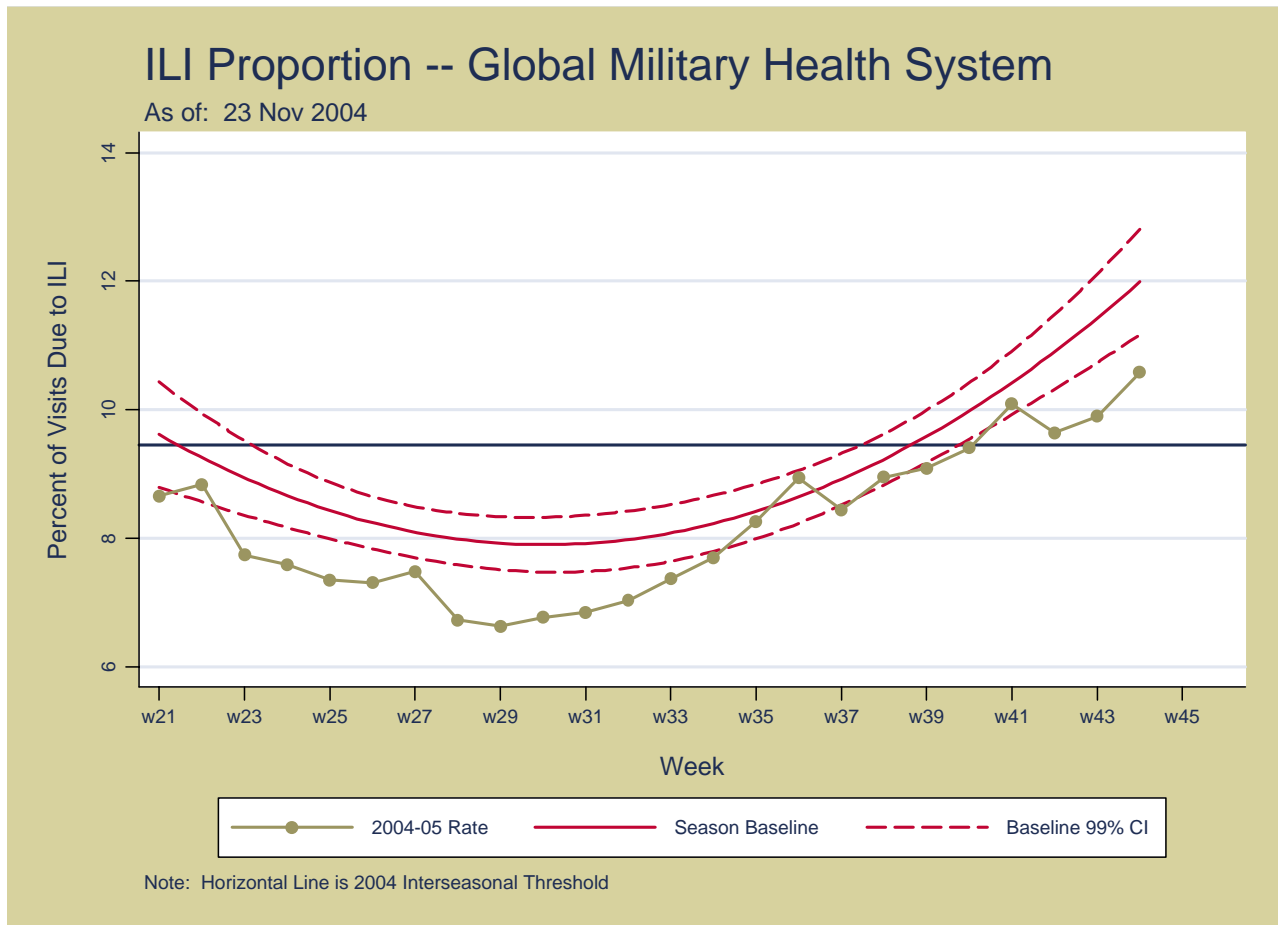
Subtype Result	Cumulative Total
Influenza A/H3N2	74
Influenza B/Sichuan-like	9
Influenza B/Hong Kong	10
Influenza B (subtype pending)	3



INFLUENZA-LIKE ILLNESS:

This graph plots the percentage of weekly outpatient visits at military installations that had an ICD-9 code for Influenza-Like Illness. Visit and coding data were taken from ESSENCE. A seasonal baseline and 99% confidence intervals are included for comparison. The baseline was calculated from ESSENCE data for the previous 2 years.

Note: ESSENCE does not currently have ILI data past week 44.



Graphs for individual bases and regions can be found on the AFIOH Influenza Surveillance website:

<https://gumbo.brooks.af.mil/pestilence/Influenza/ILChartsform.cfm>

NATIONAL INFLUENZA ACTIVITY: CDC

<http://www.cdc.gov/ncidod/diseases/flu/weeklychoice.htm>

During week 45 (the latest report available), CDC reported a low level of influenza activity in the United States. Laboratory surveillance identified 9 specimens (0.7%) positive for influenza. Of these, 1 was influenza A (H3N2), 3 were influenza A (not subtyped), and 5 were influenza B. Delaware reported widespread activity, and New York and New York City reported regional activity. Thirty-two states, the District of Columbia, and Puerto Rico reported sporadic influenza activity, and 16 states had no activity.

INTERNATIONAL INFLUENZA ACTIVITY: WHO

<http://www.who.int/GlobalAtlas/DataQuery/home.asp>

Week in review: **Week 46**

South America: Currently no activity.

Asia: The Russian Federation and China reported sporadic activity.

Europe: Belgium and Ukraine reported sporadic activity.

North America: The USA reported sporadic activity.

Africa: Currently no activity.

ADDITIONAL INFORMATION:

- **Avian Influenza Update:** As of 29 October, WHO had no further reports of human cases on their website.

Please direct any questions or comments to: influenza@brooks.af.mil

DEMOGRAPHIC SUMMARY:

Table 1. Influenza Isolates by Sentinel Site

# POSITIVES SUBMITTED BY SENTINEL SITES	New Isolates		Cumulative (since 1 June 2004)		
	A	B	A	B	Specimens Submitted
Al Udeid AB, Qatar	0	0	0	0	1
Andersen AFB, Guam	0	0	1	0	6
Andrews AFB, MD	0	0	0	0	5
Aviano AB, Italy	0	0	0	0	0
Bremerton NS, WA	0	0	0	0	0
CGS Ketchikan, AK	0	0	0	0	0
Elmendorf AFB, AK	0	0	1	0	6
McGuire AFB, NJ	0	0	0	0	3
Ganci AB, Kyrg	0	0	0	0	0
Incirlik AB, Turkey	0	0	0	0	0
Kadena AB, Japan	0	0	0	0	1
Kunsan AB, Korea	0	0	0	0	3
RAF Lakenheath, UK	0	0	0	0	16
Landstuhl RMC, Germany	0	0	0	0	0
Maxwell AFB, AL	0	0	0	0	1
Misawa AB, Japan	0	0	0	0	14
NAB Little Creek, VA	0	0	0	0	4
NS Pearl Harbor/Hickam, HI	0	0	0	0	0
NH Yokosuka, Japan	0	0	0	0	2
NMC San Diego, CA	0	0	0	0	0
Osan AB, Korea	0	0	0	0	12
Ramstein AB, Germany	0	0	0	0	6
Scott AFB, IL	0	0	0	0	34
Sheppard AFB, TX	0	0	0	0	55
Travis AFB, CA	0	0	0	0	11
Tripler AMC, HI	0	0	3	16	15
US Air Force Academy, CO	0	1	0	1	112
Yokota AB, Japan	0	0	0	0	4
TOTALS for SENTINEL SITES	0	1	5	17	211

Table 2. Influenza Isolates by Overseas Labs

# POSITIVES SUBMITTED BY OVERSEAS LABS	New Isolates		Cumulative (since 1 June 2004)		
	A	B	A	B	Specimens Submitted
AFRIMS, Thailand	0	0	10	0	26
AFRIMS, Nepal	0	0	42	0	64
NMRC-D, Peru	0	0	16	8	287
NMRC-D, Nicaragua	0	0	0	0	0
TOTALS for OVERSEAS LABS	0	0	68	8	377

Table 3. Respiratory specimens received

Location	Total # of Specimens Received	
	Current Week	Cumulative*
ALL SITES	176	1010
NORTH AMERICA	121	504
PACOM	26	181
EUCOM	29	38
CENTCOM	0	1
SOUTH AMERICA	0	286

+Comments: *Received since 1 June 2004.

Table 4. Summary of Results of Recently Processed Specimens

Location	Results of Specimens Processed during current week*				
	Negative	Influenza A	Influenza B	Adenovirus	Other
ALL SITES	53	1	4	6	3**
NORTH AMERICA	35	0	1	6	1
PACOM	6	1	3	0	1
EUCOM	12	0	0	0	1
CENTCOM	0	0	0	0	0
SOUTH AMERICA	0	0	0	0	0

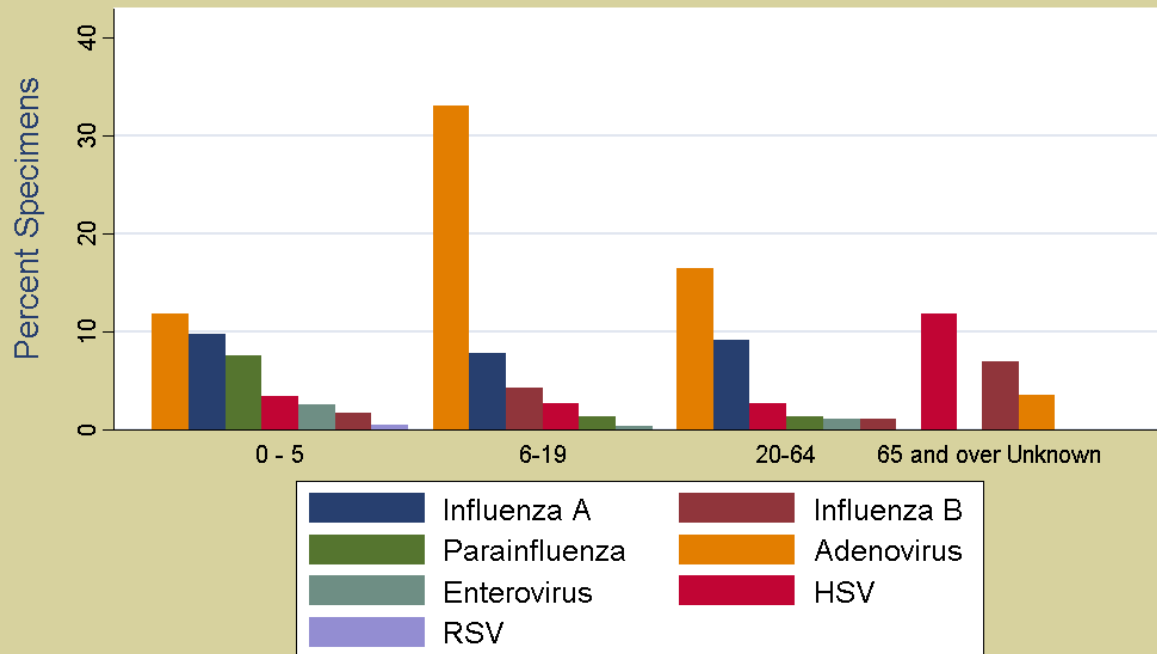
Comments: * specimens were **received** in months of October and November

** 2 parainfluenza, 1 HSV

DEMOGRAPHIC GRAPHS :

Percent of Respiratory Virus Submissions by Age Group

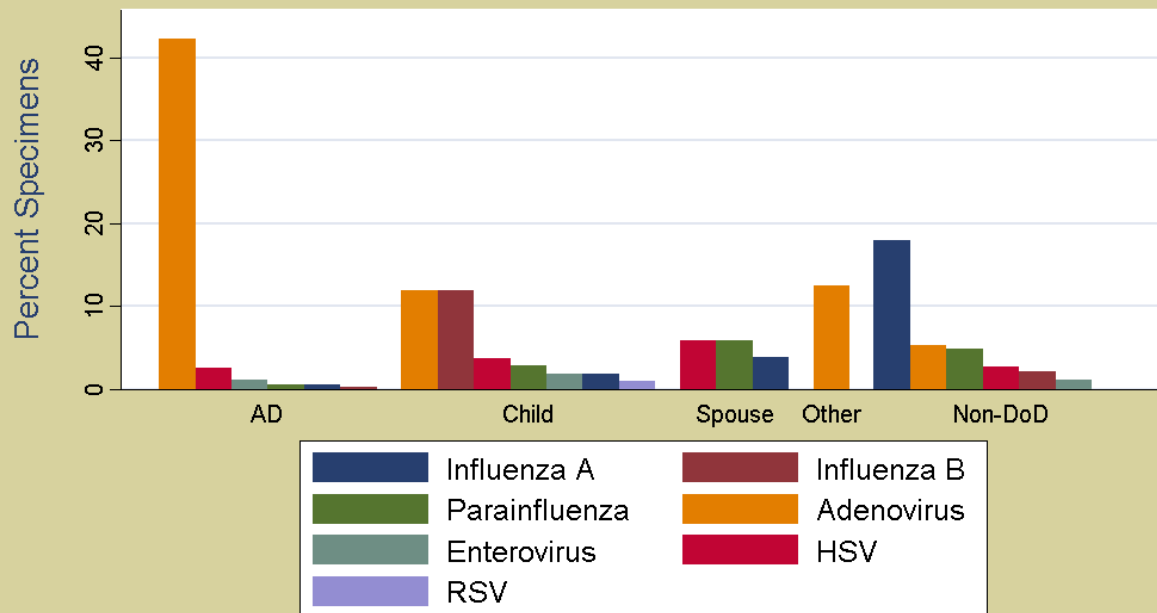
June to November 2004



As of 23 Nov 2004

Percent of Respiratory Virus Submissions by Family Military Prefix

June to November 2004



As of 23 Nov 2004